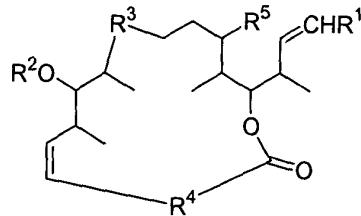


## ABSTRACT OF THE DISCLOSURE

A compound of the following structure:



wherein R<sup>i</sup> is H, an alkyl group, an aryl group, an alkenyl group, an alkynyl group, or a halogen atom;

R<sup>2</sup> is H, an alkyl group, an aryl group, a benzyl group, a trityl group, -SiR<sup>a</sup>R<sup>b</sup>R<sup>c</sup>, CH<sub>2</sub>OR<sup>d</sup>, or COR<sup>e</sup>;

R<sup>a</sup>, R<sup>b</sup> and R<sup>c</sup> are independently an alkyl group or an aryl group;

R<sup>d</sup> is an alkyl group, an aryl group, an alkoxyalkyl group, -R<sup>i</sup>SiR<sup>a</sup>R<sup>b</sup>R<sup>c</sup> or a benzyl group, wherein R<sup>i</sup> is an alkylene group;

R<sup>e</sup> is an alkyl group, an allyl group, a benzyl group, an aryl group, an alkoxy group, or -NR<sup>g</sup>R<sup>h</sup>, wherein R<sup>g</sup> and R<sup>h</sup> are independently H, an alkyl group or an aryl group;

R<sup>3</sup> is (CH<sub>2</sub>)<sub>n</sub> where n is an integer in the range of 0 to 5, -CH<sub>2</sub>CH(CH<sub>3</sub>)-, -CH=CH-, -CH=C(CH<sub>3</sub>)-, or -C≡C-;

R<sup>4</sup> is (CH<sub>2</sub>)<sub>p</sub> where p is an integer in the range of 4 to 12, -(CHR<sup>k1</sup>)<sub>y1</sub>(CHR<sup>k2</sup>)<sub>y2</sub>(CHR<sup>k3</sup>)<sub>y3</sub>(CHR<sup>k4</sup>)<sub>y4</sub>(CHR<sup>k5</sup>)<sub>y5</sub>C(R<sup>s1</sup>)=C(R<sup>s2</sup>)C(R<sup>s3</sup>)=C(R<sup>s4</sup>)-,

-(CHR<sup>k1</sup>)<sub>y1</sub>(CHR<sup>k2</sup>)<sub>y2</sub>(CHR<sup>k3</sup>)<sub>y3</sub>(CHR<sup>k4</sup>)<sub>y4</sub>(CHR<sup>k5</sup>)<sub>y5</sub>CH(R<sup>s1</sup>)CH(R<sup>s2</sup>)C(R<sup>s3</sup>)=C(R<sup>s4</sup>)-,

-(CHR<sup>k1</sup>)<sub>y1</sub>(CHR<sup>k2</sup>)<sub>y2</sub>(CHR<sup>k3</sup>)<sub>y3</sub>(CHR<sup>k4</sup>)<sub>y4</sub>(CHR<sup>k5</sup>)<sub>y5</sub>C(R<sup>s1</sup>)=C(R<sup>s2</sup>)CH(R<sup>s3</sup>)CH(R<sup>s4</sup>)-,

-(CHR<sup>k1</sup>)<sub>y1</sub>(CHR<sup>k2</sup>)<sub>y2</sub>(CHR<sup>k3</sup>)<sub>y3</sub>(CHR<sup>k4</sup>)<sub>y4</sub>(CHR<sup>k5</sup>)<sub>y5</sub>CH(R<sup>s1</sup>)CH(R<sup>s2</sup>)CH(R<sup>s3</sup>)CH(R<sup>s4</sup>)-,

wherein y1 and y2 are 1 and y3, y4 and y5 are independently 0 or 1, R<sup>k1</sup>, R<sup>k2</sup>, R<sup>k3</sup>, R<sup>k4</sup> and R<sup>k5</sup> are independently H, CH<sub>3</sub>, or OR<sup>2a</sup>, and R<sup>s1</sup>, R<sup>s2</sup>, R<sup>s3</sup>, and R<sup>s4</sup> are independently H or CH<sub>3</sub>, wherein R<sup>2a</sup> is H, an alkyl group, an aryl group, a benzyl group, a trityl group, -SiR<sup>a</sup>R<sup>b</sup>R<sup>c</sup>, CH<sub>2</sub>OR<sup>d</sup>, or COR<sup>e</sup>; and

R<sup>5</sup> is H or OR<sup>2b</sup>, wherein R<sup>2b</sup> is H, an alkyl group, an aryl group, an aryl group, a benzyl group, a trityl group, -SiR<sup>a</sup>R<sup>b</sup>R<sup>c</sup>, CH<sub>2</sub>OR<sup>d</sup>, or COR<sup>e</sup>; provided that the compound is not dictyostatin 1.